Title (en)

SYSTEM AND METHOD FOR FATIGUE TESTING OF METAL FOIL

Title (de)

SYSTEM UND VERFAHREN ZUR ERMÜDUNGSPRÜFUNG EINER METALLFOLIE

Title (fr)

SYSTÈME ET PROCÉDÉ DE TEST DE FATIGUE D'UNE FEUILLE MÉTALLIQUE

Publication

EP 4040136 A1 20220810 (EN)

Application

EP 21829429 A 20210128

Priority

- KR 20200076311 A 20200623
- KR 2021001161 W 20210128

Abstract (en)

According to the metal foil fatigue test system and metal foil fatigue test method of the present invention, the fatigue degree and lifespan of the metal foil may be easily predicted by injecting gas into the tube of a roll structure and discharging the gas to simulate charge/discharge of the electrode assembly.

IPC 8 full level

G01N 3/10 (2006.01); **G01N 3/24** (2006.01); **H01M 4/66** (2006.01); **H01M 10/04** (2006.01); **H01M 10/42** (2006.01); **H02J 7/00** (2006.01)

CPC (source: EP KR US)

G01N 3/062 (2013.01 - EP); **G01N 3/08** (2013.01 - EP); **G01N 3/10** (2013.01 - EP KR); **G01N 3/12** (2013.01 - US); **G01N 3/24** (2013.01 - KR); **G01N 3/32** (2013.01 - EP); **H01M 4/661** (2013.01 - US); **H01M 10/4285** (2013.01 - KR); **H02J 7/00** (2013.01 - KR); G01N 2203/0003 (2013.01 - EP); G01N 2203/0005 (2013.01 - EP); G01N 2203/0017 (2013.01 - EP); G01N 2203/0042 (2013.01 - EP); G01N 2203/0044 (2013.01 - EP); G01N 2203/0073 (2013.01 - EP); G01N 2203/0282 (2013.01 - EP); G01N 2203/0676 (2013.01 - EP); H01M 4/661 (2013.01 - EP KR); H01M 10/0431 (2013.01 - EP KR); H01M 10/4285 (2013.01 - US); Y02E 60/10 (2013.01 - EP); Y02P 70/50 (2015.11 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 4040136 A1 20220810; **EP 4040136 A4 20221221**; **EP 4040136 B1 20240605**; CN 114729863 A 20220708; KR 20210158044 A 20211230; US 2022390341 A1 20221208; WO 2021261700 A1 20211230

DOCDB simple family (application)

EP 21829429 A 20210128; CN 202180006488 A 20210128; KR 20200076311 A 20200623; KR 2021001161 W 20210128; US 202117777185 A 20210128